



IFU

1753

PATENT
Atty. Dkt. AMAT/4471.Y1/CMP/ECP/RKK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Zheng, et al.

Serial No.: 09/614,407

Confirmation No.: 1903

Filed: July 12, 2000

For: Method of Application of
Electrical Biasing To
Enhance Metal Deposition

MAIL STOP
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Group Art Unit: 1753

CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited on April 29, 2004 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

4/29/2004
Date

Signature

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. AMAT/4471.Y1/KMT.

Respectfully submitted,



Robb D. Edmonds
Robb D. Edmonds
Registration No. 46,681
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

270892_1

Please type a plus sign (+) inside this box → +

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

MAY 03 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-2,742,413	04/17/1956	Cransberg, et al.	
	A2	US-2,882,209	04/14/1959	Brown	
	A3	US-3,627,661	02/13/1969	Gordon, et al.	
	A4	US-3,649,509	03/14/1972	Morawetz, et al.	
	A5	US-3,727,620	04/17/1973	Orr	
	A6	US-4,027,686	06/07/1977	Shortes, et al.	
	A7	US-4,065,374	12/27/1977	Asami, et al.	
	A8	US-4,092,176	05/30/1978	Kozai, et al.	
	A9	US-4,110,176	08/29/1978	Creutz, et al.	
	A10	US-4,113,492	09/12/1978	Sato, et al.	
	A11	US-4,120,759	10/17/1978	Asami, et al.	
	A12	US-4,129,480	12/12/1978	Robert	
	A13	US-4,326,940	04/27/1982	Eckles, et al.	
	A14	US-4,336,114	06/22/1982	Mayer, et al.	
	A15	US-4,376,685	03/15/1983	Watson	
	A16	US-4,405,416	09/20/1983	Raistrick, et al.	
	A17	US-4,428,815	01/31/1984	Powell, et al.	
	A18	US-4,489,740	12/25/1984	Rattan, et al.	
	A19	US-4,518,678	05/21/1985	Allen	
	A20	US-4,519,846	05/28/1985	Aigo	
	A21	US-4,693,805	09/15/1997	Quazi	
	A22	US-4,732,785	03/22/1988	Breser	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	99/54527 A2	10/28/1999	WO		
	B2	99/26275	05/27/1999	WO		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

MAY 03 2004

Sheet

2

5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A23	US-4,789,445		12/06/1988	Goffman, et al.	
A24	US-4,869,971		09-26-1989	Nee, et al.	
A25	US-5,055,425		10/08/1991	Leibovitz, et al.	
A26	US-5,092,975		03/03/1992	Yamamura, et al.	
A27	US-5,155,336		10/13/1992	Gronet, et al.	
A28	US-5,162,260		11/10/1992	Leibovitz, et al.	
A29	US-5,178,813		01/12/1993	Akatsu, et al.	
A30	US-5,222,310		06/29/1993	Thompson, et al.	
A31	US-5,224,504		07/06/1993	Thompson, et al.	
A32	US-5,230,743		07/27/1993	Thompson, et al.	
A33	US-5,252,807		10/12/1993	Chizinsky	
A34	US-5,259,407		11/09/1993	Tuchida, et al.	
A35	US-5,290,361		03/01/1994	Hayashida, et al.	
A36	US-5,302,256		04/12/1994	Miura, et al.	
A37	US-5,316,974		05/31/1994	Crank	
A38	US-5,328,589		07/12/1994	Martin	
A39	US-5,349,978		09/27/1994	Sago, et al.	
A40	US-5,368,711		11/29/1994	Poris	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B3	99/25904		05/27/1999	WO		
B4	99/25903		05/27/1999	WO		
B5	99/25902		05/27/1999	WO		
B6	932 709		09/08/1955	DE		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

MAY 03 2004

Sheet

3

5

Application Number

09/614,407

Filing Date

July 12, 2002

First Named Inventor

Zheng, et al

Group Art Unit

1753

Examiner Name

Mutschler

Attorney Docket Number

AMAT/4471.Y1/CMP/ECP/4KK

Submission Date

April 29, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A41	US-5,377,708		01/03/1995	Bergman, et al.	
A42	US-5,415,890		05/16/1995	Kloiber, et al.	
A43	US-5,447,615		09/05/1995	Ishida	
A44	US-5,454,930		10/03/1995	Miura, et al.	
A45	US-5,516,412		05/14/1996	Andricacos, et al.	
A46	US-5,528,118		06/18/1996	Lee	
A47	US-5,608,943		03/11/1997	Konishi, et al.	
A48	US-5,625,170		04/29/1997	Poris	
A49	US-5,651,865		07/29/1997	Sellers	
A50	US-5,670,034		09/23/1997	Lowery	
A51	US-5,705,223		01/06/1998	Bunkofske	
A52	US-5,730,890		03/24/1998	Bickford, et al.	
A53	US-5,838,121		11/17/1998	Fairbairn, et al.	
A54	US-6,024,856		02/15/2000	Haydu, et al.	
A55	US-6,071,388		06/06/2000	Uzoh	
A56	US-6,093,291		06/13/2000	Reid, et al	
A57	US-6,113,771		07/25/2000	Izumi, et al.	
A58	US-6,133,061		09/05/2000	Landau, et al.	
A59	US-6,162,344		12/19/2000	Reid, et al.	
A60	US-6,174,425		01/16/2001	Simpson, et al.	
A61	US-6,203,582		03/20/2001	Berner, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B7	6-17291		01/25/1994	JP		
B8	520 563 69		09/05/1977	JP		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

MAY 03 2004

Sheet 4

E
SEARCHED
INDEXED
MAILED
JUN 1 2004
USPTO - TRADEMARK OFFICE

5 of 5

Application Number	09/614,407
Filing Date	July 12, 2002
First Named Inventor	Zheng, et al
Group Art Unit	1753
Examiner Name	Mutschler
Attorney Docket Number	AMAT/4471.Y1/CMP/ECP/4KK
Submission Date	April 29, 2004

PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A62	US-6,254,760		07/03/2001	Shen, et al.	
A63	US-6,261,433		07/17/2001	Landau	
A64	US-6,261,733		05/08/2001	Kust, et al.	
A65	US-6,267,853		07/31, 2001	Dordi, et al.	
A66	US-6,340,633		01/22/2002	Lopatin, et al.	
A67	US-6,344,419		02/05/2002	Forster, et al.	
A68	US-6,350,366		02/26/2002	Landau, et al.	
A69	US-6,391,166		05/21/2002	Wang	
A70	US-6,395,101		05/28/2002	Scranton, et al.	
A71	US-6,399,479		06/04/2002	Chen, et al.	
A72	US-6,423,636		07/2002	Dordi, et al.	
A73	US-6,432,832		08/13/2002	Miller, et al.	
A74	US-6,551,484		04/22/2003	Hey, et al.	
A75	US-6,551,488		04/22/2003	Hey, et al.	
A76	US-6,565,729		05/20/2003	Chen, et al	
A77	US-6,632,345		10/14/2003	Chen	
A78	US-6,638,410		10/28/2003	Chen, et al	
A79	US-09/614,407			Zheng, et al.	
A80	US-09/569,833			Gandikota, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
B9	443 108		11/22/1968	SU		
B10	4-141395		05/06/1994	JP		
B11	1 160 846		12/05/2001	EP		
B12	01/90446		11/19/2001	WO		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Substitute for form 1449B/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

MAY 03 2004

PTO/SB/08b

Sheet

5

ATTEN

OF

TRADEMA

RCE

S

K

O

G

O

C

E

S

T

P

O

D

I

C

A

N

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Application Number

09/614,407

Filing Date

July 12, 2002

First Named Inventor

Zheng, et al

Group Art Unit

1753

Examiner Name

Mutschler

Attorney Docket Number

AMAT/4471.Y1/CMP/ECP/4KK

Submission Date

April 29, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Olgado, et al. "Stable Cell Platform," filed 09/29/00; USSN 09/676,362	
		Dordi, et al. "Flow Diffuser to be Used in Electro-Chemical Plating System," filed 12/05/00; USSN 09/731,326	
		Olgado, "Linear Motion Apparatus and Associated Method," filed 10/16/00; USSN 09/684,500	
		Dordi, et al. "Method and Associated Apparatus for Tilting a Substrate Upon Entry for Metal Deposition," filed 10/03/00; USSN 09/678,947 (2601.P5)	
		Olgado, et al. "Multiple Blade Robot Adjustment Apparatus and Associated Method," filed 09/18/00; USSN 09/664,607 (2601.P3)	
		Olgado, "Removable Modular Cell for Electro-Chemical Plating," filed 09/15/00; USSN 09/663,814 (2601.P2)	
		Colombo, "Wafer Back Surface Film Removal," Central R&D, SGS-THOMSON Microelectronics, Agate Italy	
		International Search Report for PCT Application US01/15200 dated March 11, 2003. (AMAT/4582.PC)	

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 270849_1